| Ref<br># | Hits    | Search Query              | DBs                                        | Default<br>Operator | Plurals | Time Stamp       |
|----------|---------|---------------------------|--------------------------------------------|---------------------|---------|------------------|
| L1       | 3       | "6567519".pn.             | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/09 13:51 |
| L2       | 26803   | "bandpass filter"         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/09 14:10 |
| L3       | 317482  | upstream or uplink        | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/09 13:52 |
| L4       | 396708  | downstream or downlink    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/09 13:52 |
| L5       | 46      | 2 with 3 with 4           | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/09 14:03 |
| L6       | 1730306 | separate                  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/09 13:53 |
| L7       | 3       | 5 with 6                  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/09 13:53 |
| L8       | 8893    | \$dsl                     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/09 14:10 |
| L9       | 118     | 2 same 3 same 4           | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/09 14:10 |
| L10      | 18      | 9 and 8                   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/09 14:53 |
| L11      | 24565   | hpf or "high pass filter" | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/09 14:53 |
| L12      | 8843    | bpf                       | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/09 14:53 |

| L13 | 34342   | 2 or 12            | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/12/09 14:53 |
|-----|---------|--------------------|---------------------------------------------------------|----|-----|------------------|
| L14 | 828     | 11 with:13         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/12/09 14:54 |
| L15 | 19      | 8 and 14           | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/12/09 14:56 |
| L16 | 745     | bandstop           | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/12/09 14:57 |
| L17 | 13      | 11 with 16         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/12/09 14:59 |
| L18 | 1473470 | switch             | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/12/09 14:59 |
| L19 | 1       | 16 same 18 same 11 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/12/09 15:08 |
| L20 | 470     | "6509"             | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/12/09 15:08 |
| L21 | 11780   | nguyen.in.         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/12/09 15:08 |
| L22 | 2       | 20 and 21          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/12/09 15:09 |
| L23 | 680     | "6509"             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 15:09 |
| L24 | 13491   | nguyen.in.         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 15:09 |

| L25 | . 2        | 23 and 24              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 15:11 |
|-----|------------|------------------------|---------------------------------------------------------|----|-----|------------------|
| L26 | 0          | 2001/0006509           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 15:11 |
| L27 | 90         | "0006509"              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 15:12 |
| L28 | 0          | 24 and 27              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 15:13 |
| L29 | 210        | "6509"                 | US-PGPUB                                                | OR | OFF | 2004/12/09 15:15 |
| L30 | 0          | 2001/0006509.pn.       | US-PGPUB                                                | OR | OFF | 2004/12/09 15:15 |
| L31 | 0          | 2001/0006509           | US-PGPUB                                                | OR | OFF | 2004/12/09 15:15 |
| L32 | <u>i</u> i | "20010006509"          | US-PGPUB                                                | OR | OFF | 2004/12/09 15:15 |
| S1  | 0          | hiroki-kuribayashi.in. | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/11/10 09:32 |
| S2  | 99         | Kuribayashi-hiroki.in. | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/01/30 13:23 |
| S3  | 24181      | equalizer              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/01/30 13:23 |
| S4  | 13         | S2 and S3              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/01/30 13:24 |
| S5  | 447275     | clock .                | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/11/10 09:32 |
| S6  | 2702135    | data                   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | OFF | 2004/11/10 09:32 |

| S7  | 195215  | recover???         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2004/11/10 09:33 |
|-----|---------|--------------------|--------------------------------------------|------|-----|------------------|
| S8  | 4       | domma              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | OFF | 2004/11/10 09:33 |
| S9  | 4643    | comma              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2004/11/10 09:33 |
| S10 | 1173    | S5 with S6 with S7 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2004/11/10 09:33 |
| S11 | 1884763 | detect???          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2004/11/10 09:34 |
| S13 | Ö       | S10 and S12        | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2004/11/10 09:34 |
| S14 | 23      | S9 near S11        | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2004/11/10 09:46 |
| S15 | 8893    | ;\$dsl             | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2004/12/09 10:13 |
| S16 | 317482  | upstream or uplink | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2004/12/09 10:13 |
| S17 | 261352  | usable             | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2004/12/09 10:13 |
| S18 | 9       | S16 adj2 S17       | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2004/12/09 10:14 |
| S19 | 844863  | determin???        | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2004/12/09 10:15 |

| S20 | 1176    | S16 near5 S19  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 10:15 |
|-----|---------|----------------|--------------------------------------------|----|-----|------------------|
| S21 | 20      | S15 and S20    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 10:28 |
| S22 | 5994    | handshaking    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 10:28 |
| S23 | 1482521 | initial\$      | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 10:28 |
| S24 | 1484338 | S22 or S23     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 10:29 |
| S25 | 13144   | S16 same S24   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 10:29 |
| S26 | 277     | S15 and S25    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 10:31 |
| S27 | 74305   | initialization | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 10:31 |
| S28 | 78522   | S22 or S27     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 10:32 |
| S29 | 608     | S16 same S28   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 10:32 |
| S30 | 120     | S15 and S29    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/09 13:12 |

| Ref<br># | Hits  | Search Query            | DBs                                        | Default<br>Operator | Plurals | Time Stamp        |
|----------|-------|-------------------------|--------------------------------------------|---------------------|---------|-------------------|
| S1       | 4201  | dsl                     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | OR                  | OFF     | 2004/12/08 12:13  |
| S2       | 885   | vdsl                    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/08 12:13  |
| S3       | 9234  | uplink                  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/08 12:23  |
| S4       | 9021  | downlink                | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/08 12:13- |
| Š5       | 48    | S2 and S3 and S4        | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/08 12:18  |
| S6       | 4201  | dsl                     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/08 12:18  |
| S7.      | 26803 | "bandpass filter"       | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/08 12:19  |
| S8       | 3     | S3 and S4 and S6 and S7 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/08 12:20  |
| S9       | 5696  | ?dśl                    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/08 12:21  |
| S10      | 3     | S1 with S7              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/08 12:21  |
| S11      | 5     | S2 with S3              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/08 12:24  |
| S12      | 29974 | pots                    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2004/12/08 12:24  |

| S13 | 17     | S3 with S12  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 12:28 |
|-----|--------|--------------|--------------------------------------------|----|-----|------------------|
| S14 | 4695   | S1 or S2     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 12:46 |
| S15 | 312447 | filters      | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 12:28 |
| S16 | 919    | S14 and S15  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 12:28 |
| S17 | 72     | S7 and S14   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 12:39 |
| S18 | 0      | vociceband   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 12:39 |
| S19 | 308634 | upstream     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 12:40 |
| S20 | 1139   | voiceband    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 12:40 |
| S21 | 8      | S19 with S20 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 12:40 |
| S22 | 267    | S14 with S19 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 12:47 |
| S23 | 885    | vdsl         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 15:40 |
| S24 | 308634 | upstream     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 15:43 |

| S25 | 322    | S23 and S24  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 15:28 |
|-----|--------|--------------|--------------------------------------------|----|-----|------------------|
| S26 | 191764 | voice        | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 15:28 |
| S27 | 347    | S24 with S26 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 15:28 |
| S28 | 29     | S23 and S27  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 15:32 |
| S29 | 371672 | "138"        | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 15:32 |
| S30 | 98     | S23 and S29  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 15:39 |
| S31 | 136    | S23 same S26 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 15:39 |
| S32 | 74     | vdsl.ti.     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 16:15 |
| S33 | 11     | S24 and S32  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 16:12 |
| S34 | 16     | "non-dsl"    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 16:12 |
| S35 | 11     | S26 and S32  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 17:55 |
| S36 | 17     | "232305"     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 18:04 |

| ·S37 | 5994   | handshaking  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 18:04 |
|------|--------|--------------|--------------------------------------------|----|-----|------------------|
| S38  | 4201   | dsl          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 18:05 |
| S39  | 885    | vdsl         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 18:05 |
| S40  | 4695   | 538 or S39   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 18:05 |
| S41  | 308634 | upstream     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 18:05 |
| S42  | 395    | S40 same S41 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 18:05 |
| S43  | 58     | S37 same S41 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 18:05 |
| S44  | 12     | S40 and S43  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/08 18:05 |